

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) A printing apparatus having a detach charging system, comprising:

a processor; and

a detach charger operatively connected to said processor;

wherein a programmed signal from said processor enables or disables said detach charger, by turning the power to the charger on and off, in response to a sheet weight of a sheet of paper fed into said printing apparatus.

2. (Original) The printing apparatus of claim 1, wherein said detach charging system further comprises:

a feeder to store sheets of paper, said sheets of paper comprising at least one sheet having a sheet weight; and

an interface having an input device and a display, said interface configured for receiving an inputted sheet weight limit, said interface further configured to access a menu system having a catalog of sheet attributes of said at least one sheet, said catalog of sheet attributes configured to allow a user to selectively enable said detach charger for said at least one sheet.

3. (Original) The printing apparatus of claim 2, wherein said detach charging system further comprises:

a marking engine comprising a central processing unit (CPU) having a memory to store said sheet weight limit;

said marking engine operatively connected to said feeder to receive said at least one sheet from said feeder;

said CPU operatively connected to said interface to receive said sheet weight limit from said interface; and

and detach charger operatively connected to receive said programmed signal from said CPU.

4. (Original) The printing machine of claim 3, wherein said programmed signal enables said detack charger when said sheet weight of said at least one sheet is less than or equal to said sheet weight limit.

5. (Original) The digital printing machine of claim 3, wherein said programmed signal disables said detack charger when said sheet weight of said at least one sheet is greater than said sheet weight limit.

6. (Currently Amended) A printing machine having a detack charging system, comprising:
a computer; and
a detack charger operatively connected to said computer;
wherein a programmed signal from said computer enables or disables said detack charger in response to an attribute of a sheet of paper fed into said printing machine by enabling and/or disabling the charger by turning the power to the charger on and/or off.

7. (Original) The printing machine of claim 6, wherein said detack charging system further comprises:
a feeder to store sheets of paper, said sheets of paper comprising at least one sheet having said attribute; and
an interface having an input device and a display, said interface configured for receiving an inputted attribute, said interface further configured to access a menu system having catalog of sheet attributes of said at least one sheet, said catalog of sheet attributes configured to allow a user to selectively detack said at least one sheet.

8. (Original) The printing machine of claim 6, wherein said computer comprises:
a marking engine comprising a central processing unit (CPU) having a memory to store said attribute of said at least one sheet;
said marking engine operatively connected to receive said at least one sheet from said feeder;

said CPU operatively connected to receive said attribute of said at least one sheet from said interface; and

said detack charger operatively connected to receive said programmed signal from said CPU.

9. (Original) The printing machine of claim 8, wherein said programmed signal enables said detack charger when said inputted attribute matches a "detack" attribute of said at least one sheet.

10. (Original) The printing machine of claim 8, wherein said programmed signal disables said detack charger when said inputted attribute matches a "no detack" attribute of said at least one sheet.

11. (Currently Amended) A printing machine having a detack charging system, comprising:

a feeder to store sheets of paper, said sheets of paper comprising at least one sheet having a sheet weight;

an interface having an input device and a display, said interface configured for receiving a sheet weight limit, said interface further configured to access a menu system having a catalog of sheet attributes of said at least one sheet, said catalog of sheet attributes configured to allow a user to selectively detack said at least one sheet; and

a marking engine comprising a central processing unit (CPU) having a memory to store said sheet weight limit and a detack charger, said marking engine operatively connected to receive at least one sheet from said feeder, said CPU operatively connected to receive said sheet weight limit from said interface, and said detack charger operatively connected to receive a first and a second signal from said CPU,

where said CPU provides said first signal when said sheet weight of said at least one sheet is less than or equal to said inputted sheet weight limit, and said detack charger is enabled, by turning on the power to the charger, in response to said first signal, and

where said CPU provides said second signal when said sheet weight of said at least one sheet is greater than said inputted sheet weight limit,

and said detach charger is disabled, by turning off the power to the charger, in response to said first signal.

12. (Currently Amended) A method of detach charging in an image-forming machine, comprising:

- receiving a sheet of paper from a feeder;
- said sheet of paper having a sheet weight;
- configuring an interface to receive a sheet weight limit;
- storing said sheet weight limit in a memory of central processing unit (CPU);
- configuring said interface to access a menu system;
- said menu system having a catalog of sheet attributes of said sheet of paper;
- configuring said catalog of sheet attributes to allow a user to selectively detach said sheet of paper;
- connecting said CPU to a detach charger for receiving an enable and disable signal;
- generating said enable signal from said CPU when said sheet weight is less than or equal to said sheet weight limit and enabling, by turning on the power to the charger, said detach charger; and
- generating said disable signal from said CPU when said sheet weight is greater than said sheet weight limit and disabling, by turning off the power to the charger, said detach charger.

13. (Currently Amended) A method of detach charging in an image-forming machine, comprising:

- receiving a sheet of paper from a feeder;
- said sheet of paper having a sheet weight;
- configuring an interface to receive a sheet weight limit;
- generating an enable signal from a central processing unit (CPU) when said sheet weight is less than or equal to said sheet weight limit and enabling, by turning on the power to the charger, a detach charger; and

generating a disable signal from said CPU when said sheet weight is greater than said sheet weight limit and disabling, by turning off the power to the charger, said detach charger.

14. (Original) The method of detach charging in an image-forming machine of claim 13 further comprising storing said sheet weight limit in memory of said CPU.

15. (Original) The method of detach charging in an image-forming machine of claim 13 further comprising configuring said interface to access a menu system, said menu system having a catalog of sheet attributes of said sheet of paper.

16. (Original) The method of detach charging in an image-forming machine of claim 13 further comprising connecting said CPU to said detach charger for receiving an enabled and disable signal.

17. (Original) The method of detach charging in an image-forming machine of claim 15 further comprising configuring said interface to enable said detach charger for a specific sheet of paper.

18. (Original) The method of detach charging in an image-forming machine of claim 13 further comprising configuring said interface to enable said detach charger for a specific sheet of paper in a specific feeder.

19. (Original) The method of detach charging in an image-forming machine of claim 13 further comprising configuring said interface to enable said detach charger for all sheets of paper in a specific feeder.

20. (Currently Amended) A printing apparatus having a detach charging system, comprising:

a processor; and

a detach charger operatively connected to said processor;

wherein a programmed signal from said processor controls said detach charger in response to a sheet weight of receive sheet fed into said printing apparatus by enabling and disabling the charger by turning the power to the charger on and/or off.

21. (Original) The printing apparatus of claim 20, wherein said receiver sheet is a sheet of paper.

22. (Original) The printing apparatus of claim 20, wherein said receiver sheet is a transparency.

23. (Original) The printing apparatus of claim 20, wherein said receiver sheet is a tabloid.

24. (Original) The printing apparatus of claim 20, wherein said programmed signal from said processor, comprises a signal to enable or disable said detach charger.

25. (Original) The printing apparatus of claim 20, wherein said detach charging system further comprises:

a feeder to store sheets of receiver sheets, said sheets of receiver sheets comprising at least one receiver sheet having a sheet weight; and

an interface having an input device and a display, said interface configured for receiving an inputted sheet weight limit, said interface further configured to access a menu system having a catalog of sheet attributes of said at least one receiver sheet, said catalog of sheet attributes configured to allow a user to selectively enable said detach charger for said at least one receiver sheet.

26. (Original) The printing apparatus of claim 25, wherein said detach charging system further comprises:

a marking engine comprising a central processing unit (CPU) having a memory to store said sheet weight limit;

said marking engine operatively connected to said feeder to receive said at least one receiver sheet from said feeder;

said CPU operatively connected to said interface to receive said sheet weight limit from said interface; and

said detack charger operatively connected to receive said programmed signal from said CPU.

27. (Original) The printing machine of claim 26, wherein said programmed signal enables said detack charger when said sheet weight of said at least one receiver sheet is less than or equal to said sheet weight limit.

28. (Original) The digital printing machine of claim 3, wherein said programmed signal disables said detack charger when said sheet weight of said at least one receiver sheet is greater than said sheet weight limit.

29. (Currently Amended) A method of detack charging in an image-forming machine, comprising:
receiving a receiver sheet from a feeder;
said receiver sheet having a sheet weight;
configuring an interface to receive a sheet weight limit; and
controlling said detack charger in response to a programmed signal from a central processing unit (CPU) based on said sheet weight limit by enabling and disabling the charger by turning the power to the charger on and/or off.

30. (Original) The method of detack charging in an image-forming machine of claim 29 wherein controlling said detack charger, comprises:
generating an enable signal from said CPU when said sheet weight is less than or equal to said sheet weight limit and enabling said detack charger;
and

generating a disable signal from said CPU when said sheet weight is greater than said sheet weight limit and disabling said detack charger.